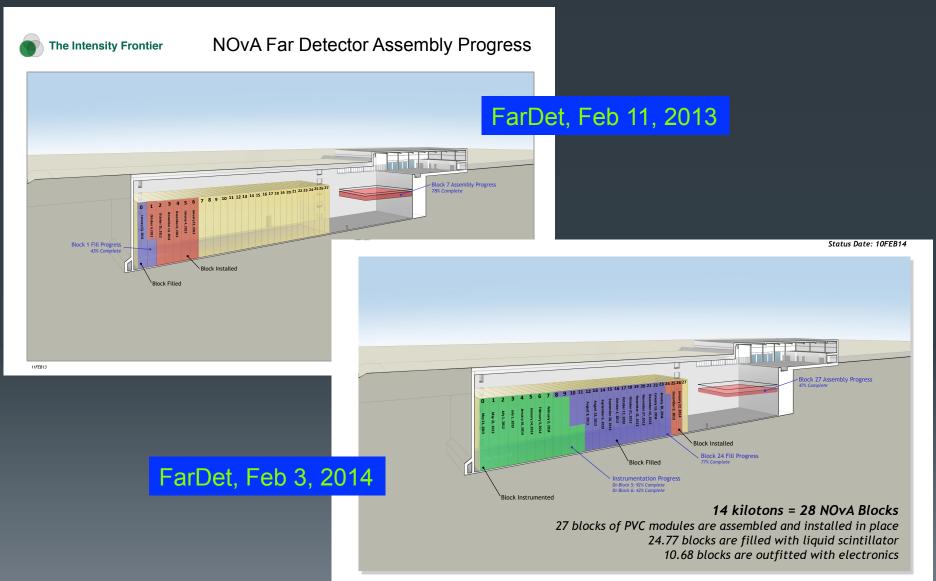
# NOvA Experiment Status

Steve Magill Argonne National Laboratory
All Experimenter's Meeting February 10, 2014

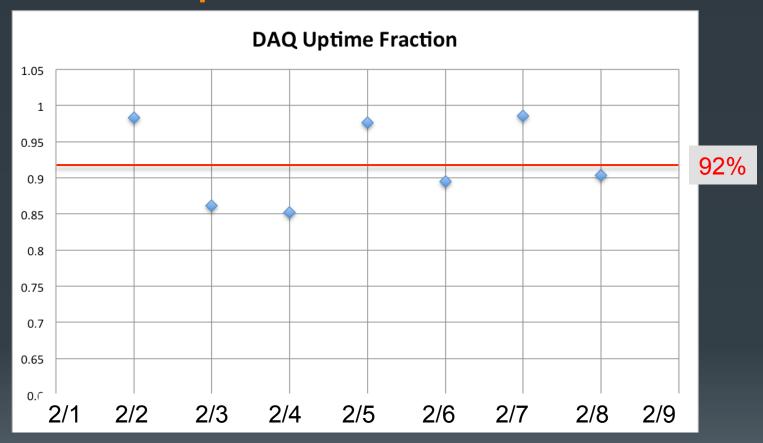
## Detector Assembly Progress



## Far Detector Data-Taking

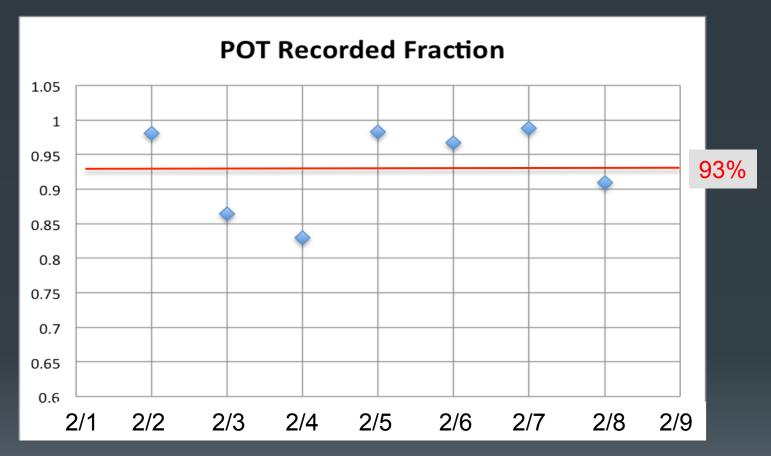
- Improvement in some DAQ processes increased uptime
- Moved to 3-Partition running (3 separate parts of the detector each running its own DAQ processes)
  - Partition 1
    - First 2 kilotons of detector
    - APDs running full gain, cold
    - Stable part of detector
  - Partition 2
    - Second ~3.5 kilotons of detector
    - APDs running full gain, mixed cold/warm
    - Commissioning section of FarDet
  - Partition 3
    - Next 5 kilotons of detector
    - Filled with scintillator, Front-End electronics only (no APDs)
- Neutrino search on Partition 1 with little downtime

## **DAQ Uptime**



- Plot for last week
- Average of ~92% for past week
- Stable running on Partition 1 (stable part of detector)

#### Fraction of POTs Recorded



- Averaging little over 93% for past week
- Stable running of stable partition
- Recorded ~5.9E18 POTs out of 6.9E18 delivered (86%)

#### Summary

- Cooled APDs looking good especially those without A174 primer coating
- DAQ improvements increased our uptime
- In past week, switched to 3-partition running (3 separate parts of the FarDet running partitioned DAQ)
  - Optimize our beam exposure for stable part of the detector
  - Optimize detector checkout for new installations
  - Improvement in POTs recorded